

Message

From: Hays, David C Jr CIV USARMY CENWK (USA) [David.C.Hays@usace.army.mil]
Sent: 2/3/2021 7:40:55 PM
To: Praskins, Wayne [Praskins.Wayne@epa.gov]
Subject: RE: 2019 CDPH HPNS Building Surveys

MDA and MDC are typically used interchangeably.

From: Praskins, Wayne <Praskins.Wayne@epa.gov>
Sent: Wednesday, February 3, 2021 1:38 PM
To: Hays, David C Jr CIV USARMY CENWK (USA) <David.C.Hays@usace.army.mil>
Subject: [Non-DoD Source] RE: 2019 CDPH HPNS Building Surveys

Dave - Thanks.

I was reading the definitions of L_c , L_D , and MDC in the MARSSIM guidance. Is there a distinction between MDA and MDC? Or do they tend to be used interchangeably?

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne St. (SFD-7-3)
San Francisco, CA 94105
415-972-3181

From: Hays, David C Jr CIV USARMY CENWK (USA) <David.C.Hays@usace.army.mil>
Sent: Wednesday, February 3, 2021 11:06 AM
To: Praskins, Wayne <Praskins.Wayne@epa.gov>
Subject: RE: 2019 CDPH HPNS Building Surveys

Wayne, as I look at their calcs the 2.3 MDA is well supported. The 1.6 is not as supported in the doc but definitely a possibility. It can be done, regardless I think the Navy issue will be the count time vs number of wipes. But that can be managed by reducing number of wipes counted as we have discussed.

FYI: I wanted to point you to the spreadsheet and the L_c calculation. Any count above the L_c would be considered above background. We use the L_c to help us with regard to comparison to background. As an example: if all counts were less than the L_c then nothing above background found. Regardless of what the MDA was. Helps when MDA near RG.

From: Praskins, Wayne <Praskins.Wayne@epa.gov>
Sent: Wednesday, February 3, 2021 12:20 PM
To: Hays, David C Jr CIV USARMY CENWK (USA) <David.C.Hays@usace.army.mil>
Subject: [Non-DoD Source] 2019 CDPH HPNS Building Surveys

Dave –

Here is another example where BPRG-level MDAs were achieved for dust. In 2019, the California Dept of Public Health (CDPH) analyzed about 229 wipe samples collected from window sills, HVAC ducts, and other locations in residences next to the Hunters Point site. They counted wipes for 10 minutes. If I'm reading the results correctly, they achieved alpha MDAs of 1.6 to 2.3 dpm. All results were less than the MDAs.

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9

75 Hawthorne St. (SFD-7-3)
San Francisco, CA 94105
415-972-3181